TR	ANSMIT	Docket No. DR 99.05/2								
In Re Ap	n Re Application Of: Lloyd G. Jones									
	rial No. 659,818		_	Date Date	2000. 758	Examiner Unknown	Group Art Unit 3672			
Title:	itle: FRACTURING DIFFERENT LEVELS WITHIN A COMPLETION INTERVAL OF A WELL									
•	Address to: Assistant Commissioner for Patents Washington, DC 20231									
				37 CFF	? 1.97(b)					
1. 🛛	filing of forth in	fana 37 C	tional application	n; within three n international a	nonths of pplication	the date of entry of	ithin three months of the the national stage as set ing date of a first Office			
				37 CFF	? 1.97(c)					
2.	filing of 1.491 i	fana nani	ational application	n, or the date lication; or aften pefore the mailin	of entry the mailing date o	of the national stage ing date of a first Off	after three months of the e as set forth in 37 CFR fice Action on the merits,			
		2.	a Notice of Allo	wance under 37	CFR 1.3	311,				
		Whic	hever occurs firs	t.						
	Also su	ıbmitte	ed herewith is:							
		a cert	tification as spec	ified in 37 CFR	1.97 (e);					
				C	R					
			ee set forth in 37 r 37 CFR 1.97(c)		or submis	sion of an Informatio	n Disclosure Statement			

TRANSMITTAL	Docket No. DR 99.05/2									
In Re Application Of:	n Re Application Of: Lloyd G. Jones									
Serial No. 10/659,818	Filing Date  11 September, 2003	PADENCE!	Examiner Unknown	Group Art Unit 3672						
10/037,818	11 September, 2003		Chkhowh	3012						
Title: FRACTURIN	NG DIFFERENT LEVELS V	WITHIN A CO	MPLETION INTERV	VAL OF A WELL						
y										
(Only	Pay y complete if Applicant elect	yment of Fee ts to pay the fee	e set forth in 37 CFR 1	I.17(p))						
☐ A check in the a	amount of is attached	d								
The Assistant C as described be	Commissioner is hereby autilelow. A duplicate copy of the getthe amount of	horized to char		it Account No. <b>05-1328</b>						
	t any overpayment.									
_	ge any additional fee require	ed.								
	,									
Denisi	y. Weefs		Decembe	r 12, 2003						
Si	ignature /	•	Dated							
Denise Y. Wolfs, Reg	•									
•	am Research Company									
P. O. Box 2189 Houston, TX 77252-21	189									
Telephone: (713) 431-4239 Facsimile: (713) 431-4664										
Certificate of Mailing Under 37 C.F.R. §1.8(a)										
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231 on December 12, 2003.  Monica Stansberry										

## INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Docket Number (Optional)
DR 99.05/2
Application Number
10/659,818
Application Number

Lloyd G. Jones

Filing Date
11 September 2003

Group Art Unit 3672

## **U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	. CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	1	2,224,630	09/11/39	Dean, C. J. et al.	166	1	
	2	3,153,451	10/20/64	Chancellor, F. E. et al.	166	51	
	3	3,548,935	12/22/70	Harkins, A. D.	166	51	
•	4	3,637,010	01/25/72	Maly et al.	166	51	
	5	3,802,500	04/09/74	Schmidt, E. R.	166	51	,
•	6	3,830,294	08/20/74	Swanson, Jr., R. E.	166	51	
	7	3,963,076	06/15/76	Winslow, L. K.	166	278	
	8	3,999,608	12/28/76	Smith, D. M.	166	278	
	9	4,018,282	04/19/77	Graham, J. W. et al.	166	278	
•	10	4,018,283	04/19/77	Watkins, L. A.	166	278	
	11	4,044,832	08/30/77	Richard et al.	166	278	
	12	4,046,198	09/06/77	Gruesbeck et al.	166	278	
	13	4,127,173	11/28/78	Watkins et al.	166	276	
	14	4,192,375	03/11/80	Maly et al.	166	51	
****	15	4,253,522	03/03/81	Setterberg, Jr.	166	278	
	16	4,393,932	07/19/83	Bodine, A. G.	166	249	
	17	4,418,754	12/06/83	Stepp, L. W.	166	278	
	18	4,469,178	09/04/84	Solum, J. R.	166	278	
	19	4,522,264	06/11/85	McNeer, J. C.	166	278	
	20	4,553,595	11/19/85	Huang et al.	166	278	
	21	4,558,742	12/17/85	Huang et al.	166	278	
	22	4,570,714	02/18/86	Turner et al.	166	278	
	23	4,657,079	4/14/87	Nagaoka	166	231	
	24	4,681,163	07/21/87	Guidry et al.	166	278	
	25	4,685,519	08/11/87	Stowe et al.	166	278	
	26	4,700,777	10/20/87	Luers, T. J.	166	185	
	27	4,733,723	03/29/88	Callegari, Sr.	166	51	
	28	4,754,807	07/05/88	Lange, U.	166	236	

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-A820 (also form PTO-1449)

DEC 1 7 2003

Copyright 1994-97 LegalStar

PO9A/REV03

## INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)

Docket Number (Optional) Application Number DR 99.05/2 10/659,818 Applicants

Lloyd G. Jones Filing Date

11 September 2003

Group Art Unit 3672

U.S. P	A	TENT	DO	CU.	MENT	'S
--------	---	------	----	-----	------	----

Ex	., 0		U.S. PA	TENT DOCUMENTS			
EX DE MORE	29	4,818,403	4/4/89	Nagaoka	210	488	
	30	4,856,591	08/15/89	Donovan et al.	166	278	
	31	4,858,691	08/22/89	Ilfrey et al.	166	278	
	32	4,915,172	04/10/90	Donovan et al.	166	278	
•	33	4,915,173	04/10/90	Davis, B. E.	166	278	
	34	4,932,474	06/12/90	Schroeder, Jr. et al.	166	278	
	35	4,945,991	08/07/90	Jones, L. G.	166	278	
	36	4,964,464	10/23/90	Myers	166	278	
	37	4,969,522	11/13/90	Whitehurst et al.	166	278	
	38	4,969,523	11/13/90	Martin et al.	166	278	
•	39	4,969,524	11/13/90	Whiteley	166	278	
	40	5,069,279	12/3/91	Nagaoka	166	234	
<u>-</u>	41	5,082,052	01/21/92	Jones, L. G. et al	166	51	
	42	5,113,935	05/19/92	Jones, L. G. et al	166	51	
	43	5,246,158	9/21/93	Nagaoka et al.	228	175	
	44	5,307,984	5/3/94	Nagaoka et al.	228	189	
	45	5,311,942	5/17/94	Nagaoka	166	232	
	46	5,333,688	08/02/94	Jones, L. G. et al	166	278	
	47	5,333,689	08/02/94	Jones, L. G. et al	166	278	
	48	5,390,966	2/21/95	Cox, L. L. et al	284	137.1	
	49	5,476,143	12/19/95	Sparlin, D. D. et al	166	233	
	50	5,515,915	05/14/96	Jones, L. G. et al	166	51	
	51	5,588,487	12/31/96	Bryant, D. W.	166	51	
	52	5,690,175	11/25/97	Jones, L. G.	166	278	
	53	5,787,980	8/4/98	Sparlin et al.	166	231	
<del></del>	54	5,842,516	12/01/98	Jones, L. G.	166	56	. ·
	55	5,848,645	12/15/98	Jones, L. G.	166	280	
	56	5,868,200	02/09/99	Bryant, D. W. et al	166	51	
	57	5,890,533	04/06/99	Jones, L. G.	166	51	
EVAMINED				DATE CONSIDERE	in .		

**EXAMINER** 

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-A820 (also form PTO-1449) Copyright 1994-97 LegalStar

PO9A/REV03

•								
OIP	Ē\	`\		-	Docket Number (Optional DR 99.05)		ntion Number 10/659,8	18
/		FORMATION DIS	CLOSURE CIT	ΓATION	Applicants Lloyd G. Jones			
DEC 17	2003	7 8	,, , ,, , , , , , , , , , , ,		Filing Date 11 September		Art Unit 3672	
DEC 1 7	EN S		U.S. PA	TENT DOCUMENTS				
400	58	5,934,376	08/10/99	Nguyen, P. D. et al	166	278		
	59	6,003,600	12/21/99	Nguyen, P. D. et al	166	281		
	60	6,059,032	05/09/00	Jones, L. G.	166	278		
	61	6,298,916	10/9/01	Tibbles et al.	166	278		
	62	6,302,207	10/16/01	Nguyen et al.	166	276		
	63	6,405,800	06/18/02	Walker et al.	166	278	<del> </del> -	
_	64	6,409,211	06/25/02	Sheng et al.	280	730.2		
	65	6,409,219	06/25/02	Broome et al.	285	3		
	66	6,427,775	08/06/02	Dusterhoft et al.	166	278		
	67	6,446,722	09/10/02	Nguyen et al.	166	278		
	68	6,481,494	11/19/02	Dusterhoft et al.	166	51		
	69	6,497,284	12/24/02	van Petegem et al.	166	297		
	70	6,516,881	02/11/03	Hailey, Jr.	166	278		
	71	6,516,882	02/11/03	McGregor et al.	166	278		
,	72	2002/0066560	06/06/02	Dusterhoft et al.	166	236		
,	73	2002/0125007	09/12/02	McGregor et al.	166	278		
	74	2002/0189809	12/19/02	Nguyen et al.	166	278		
,	75	2003/0000699	01/02/03	Hailey, JR.	166	278		
,	76	2003/0000700	01/02/03	Hailey, JR.	166	278		
,	77	2003/0000701	01/02/03	Dusterhoft et al.	166	278		
	78	2003/0000702	01/02/03	Streich et al.	166	278		
	79	2003/0010496	01/16/03	McGregor et al.	166	278		
			FOREIGN 1	PATENT DOCUMENT	TS.			
1	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Trans YES	lation NO
	80	WO 00/61913	10/19/00	PCT	E21B	43/04		
	81	WO 01/14691	03/01/01	PCT	E21B	43/08		
	82	1,087,099 A1	3/28/01	EP			<del> </del>	
	83	1,132,571 A1	9/12/01	EP		, <u> </u>		

FORM PTO-A820 (also form PTO-1449)

EXAMINER

conformance and not considered. Include copy of this form with next communication to applicant. Copyright 1994-97 LegalStar

PO9A/REV03

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in

DATE CONSIDERED

6	PE		Docket Number (Optional)	Application Number
		AFORMATION DISCLOSURE CITATION	DR 99.05/2 Applicants	10/659,818
/ -		(Use several sheets if necessary)	Lloyd G. Jones	
DEC 1	7 2003	7 3	Filing Date 11 September 2003	Group Art Unit 3672
Person.	المريد	OTHER DOCUMENTS (Including Author, Title, Date, Pe	rtinent Pages, Etc.)	
DEC 1	84	Attard, M., Mathes, R. A. and Mower, L. N. (1990) "Gravel Pa Reservoir: A Valhall Field Case Study", SPE 18226, Feb. 199		
	85	Bercegeay, E. P. and Richard, C. A. (1974) "A One-Trip Grave 1974, pp. 19-25 and Figs. 1-16.	vel Packing System",	SPE 4771, Feb. 7-8
	86	Cox, Morris et al. (2002) "Innovative Sand-Control Screen As Frac Packs in Adverse Recompletion Conditions", SPE 73723	3, Feb. 20-21, 2002, p	p. 1-16.
	87	<b>Dickinson, W.,</b> Anderson, R. R., and Dykstra, H. (1987) " <i>Gra</i> 16931, Sept. 27-30, 1987, pp. 519-528.		
•	88	Duhon, P., Holley, A., Gardiner, N. and Grigsby, T. (1998) "N Deepwater Gulf of Mexico TLP Completion Successfully Grav of 2400 Feet", SPE 50146, Oct. 12-14, 1998, pp. 477-487.		
	89	<b>Durrett, J. L.,</b> Golbin, W. T., Murray, J. W. and Tighe, R. E. ( <i>Control</i> ", SPE 6210, Dec. 1977, pp. 1664-1672.	1977) "Seeking a Solu	tion to Sand
	90	Elson, T. D., Darlington, R. H. and Mantooth, M. A. (1982) "H. Studies", SPE 11012, Sept. 26-29, 1982, pp. 1-6, tables 1-3 a		k Completion
•	91	Farley, Dave, (1986) "Gravel Pack Concept Solves Duning P 45 & 54, (March 1986)	roblem," Petroleum M	lanagement, p. 44,
	92	Forrest, J. K. (1990) "Horizontal Gravel Packing Studies in a Sept. 23-26, 1990, pp. 647-655.	Full-Scale Model Wel	lbore", SPE 20681,
•	93	Foster, J., Gribsby, T. and LaFontaine, J. (1999) "The Evolution for the Gulf of Mexico. Where Have We Been and Where Are 15.		
	94	Grigsby, T. and Vitthal, S. (2002) "Openhole Gravel Packing Completion Method", SPE 77433, Sept. 2, 2002, pp. 1-16.	- An Evolving Mainsta	y Deepwater
	95	<b>Gruesbeck, C.,</b> Salathiel, W. and Echols, E. (1979) " <i>Design of SPE 6805</i> , Jan. 1979, pp. 109-115.	of Gravel Packs in Dev	viated Wellbores",
	96	<b>Gruesbeck, C.</b> and Collins, R. (1978) "Particle Transport Thro 16, 1978, pp. 73-78, tables 1-4 and figs. 1-10.	ough Perforations", SF	PE 7006, Feb. 15-
	97	Hudson, T. E. and Martin, J. W. (1988) "Use of Low Density, Placement Efficiency", SPE 17169, Feb. 8-9, 1988, pp. 227-2		Improves
	98	Houchin, L. R., Dunlap, D. D. and Hutchinson, J. E. (1988) "/ Completions", SPE 17166, Feb. 8-9, 1988, pp. 197-208.	Formation Damage Du	ıring Gravel-Pack
	99	Jones, L. G. et al. (1991) "Alternate Path Gravel Packing" SP	E 22796, Oct. 6-9, 19	91, pp. 391-398.
	100	Jones, Lloyd G. (1999) "Spectacular Wells Result From Alte Engineer International, Hart Publications, US, vol. 72, no. 5, N		
	101	LaFontaine, J. et al. (1999) "New Concentric Annular Packing Gravel Packs", SPE 56778, Oct. 3-6, 1999, pp. 1-11.		
	102	<b>Ledlow, L. B.,</b> Sauer, C. W. and Till, M. V. (1985) "Recent De Techniques Lead to Improved Gravel Pack Performance", SP 1-3 and figs. 1-14.		
	103	Ledlow, Lewis (1985) "A Quick Guide to Gravel Packing", Oi 25-26.	Patch, vol. 10, no. 6,	August 1985, pp.
	104	Maly, G. P., Robinson, J. P. and Laurie, A. M. (1974) "New G Placement", SPE 4032, Journal of Petroleum Technology, Jar		proving Pack
	105	Nini, C. J. and Owen, G. W. (1983) "Successful High-Angle Cot. 5-8, 1983, pp. 1-5, table 1 and figs. 1-6.	Gravel Packing Techni	ques", SPE 12105,
	106	Parmigiano, J. M. (1976) "Multizone Gravel-Pack Completion and Gas Journal, vol. 74, no. 2, Jan. 12, 1976, pp. 97-98.	n Method Works in Hig	nh-Angle Holes", Oil
EXAMINER		DATE CONSIDERED	,	<u> </u>
EXAMINER:	Initial i	if citation considered, whether or not citation is in conformance with MPEP S	Section 609; Draw line thro	ough citation if not in

FORM PTO-A820 (also form PTO-1449)

conformance and not considered. Include copy of this form with next communication to applicant. Copyright 1994-97 LegalStar

PO9A/REV03

	01	PE			Docket Number (Optional)	Application Number	
		. 6	FORMATION DISCLOSURE CITATION		DR 99.05/2 Applicants	10/659,818	
7	DCn a		(Use several sheets if necessary)		Lloyd G. Jones		
A	DEC 1	7 2003	7	ĺ	Filing Date 11 September 2003	Group Art Unit 3672	
<del>- K</del>						3072	
A	RADE	ن محوده	OTHER DOCUMENTS (Including Author	or, Title, Date, Pe	rtinent Pages, Etc.)		
		107	Peden, J. M et al (1982) "Laboratory Studies of				
			Screen-Casing Annulus in Highly Deviated Wells			Conference,	
		100	London, England, Oct. 25-28, 1982, pp. 321-325 Penberthy, W. L. and Cope, B. J. (1979) "Desig			d Completions"	
		108	SPE 8428, 54 <sup>th</sup> Ann. Fall Tech. Conf. Sept. 23-25				
		109	Penberthy, W. L. and Echols, E. E. (1991) "Gran	vel Placemer	nt in Wells", SPE 2279	3, Oct. 6-9, 1991,	
		110	pp. 347-361. <b>Rensvold, R. F.</b> and Decker, L. R. (1978) "Full S	Saala Craval	Dooking Model Studios	" EUD 20	
•		110	European Petroleum Conference, London, Engla				
		111	Sanders, M. W. et al (2002) "Gravel Pack Desig	ns of Highly-			
•			Path Concept", SPE 73743, Feb. 20-21, 2002, p			·	
		112	<b>Saucier, R. J.</b> (1974) "Considerations in Gravel 1974, pp. 205-212.	Pack Design'	', Journal of Petroleum	Technology, Feb.	
		113	Shryock, S. G. (1980) "Gravel Packing Studies	in a Full-Scal	e, Deviated Model We	llbore", SPE 9421,	
			Sept. 21-24, 1980, pp. 1-5, table 1 and figs. 1-13	3.	·		
		114	Solum, J. R. (1984) "A New Technique in Sand			Gravel Packing",	
		115	SPE 12479, Feb. 13-14, 1984, pp. 79-86, tables Sparlin, D. D. (1987) "Gravel Packing Innovation			1987, pp. 17-20.	
		***	oparini, D. D. (1001) Graver a coming inner addition			.оот, рр. 11 20.	
	4	116	Sparlin, D. and Copeland, T. (1972) "Pressure F	Packing With	Concentrated Gravel S	Slurry", SPE 4033,	
		117	Oct. 8-11, 1972, pp. 1-7, table 1 and figs. 1-5.  Stiles, R. F., Colomb, G. T. and Farley, D. L. (19	196) "Develor	ment of a Crovity Aco	istad Craval Book	
		117	System", SPE 15409, Oct. 5-8, 1986, pp. 1-9, tal			isted Graver Pack	
		118	Von Flatern, Rick (2002) "Surving the Screen T	ests", Offsho	re Engineer, Septemb	er 2002, pp. 29-32.	
		119	Wah, Kee Yong et al. (2002) "New 7-in. Dual-Tr	in Multi-Zone	Gravel Pack System	Provide Cost	
		119	Efficient Completions for Offshore China Develop				
		120	Walvekar, S. and Ross, C. (2002) "Production E				
		121	73777, Feb. 20-21, 2002, pp. 1-10.  Welrich, J. B., Zaleski, T. E. and Tyler, S. L. (19	190) "One-Tris	n Multizone Gravel-Pa	ockina Technique	
		121	for Low-Pressure, Shallow Wells" SPE Production				
		122	Noor, M. Z. B. M et al. (2002) "Enhanced Grave	-		ture Sand-	
		123	Producing Field - A Case Study" SPE 77919, Oc Zaleski, Jr., T. E. (1989) "Innovations in Comple			s", Offshore,	
			February 1989, pp. 34-37.				
		124	Zaleski, Jr., T. E. and Spatz, E. (1988) "Horizon: Journal, Offshore Report, May 2, 1988, pp. 58-76		ns Challenge for Indus	stry", Oil & Gas	
		125	Baker Sand Control, "Engineered Sand Control		"Sand Control Techno	logy". 1982-1983	
			Catalog				
		126	Baker Sand Control, "Gravel Pack Systems", 19	986 - 1987 G	uide to Products and S	Services.	
				•			
				*\************************************			
				· · · · · · · · · · · · · · · · · · ·			
EXAM	INER		DAT	E CONSIDERED	)	-	

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-A820

Copyright 1994-97 LegalStar

PO9A/REV03

Patent and Trademark Office\* U.S. Department of Commerce

FORM PTO-A820 (also form PTO-1449)